

ART. XLIV.—*Monographia Chalciditum.* BY FRANCIS WALKER.

(Continued from p. 118.)

“ ——— the green myriads in the peopled grass.”

GENUS.—ENCYRTUS, *Dalman*, (continued.)

*Fem.*—Corpus breve, pubescens, subnitens, scite punctatum : caput transversum, breve, convexum ; vertex latus ; frons abrupte declivis : oculi mediocres : antennæ subclavatæ, pubescentes, corporis dimidio vix longiores ; articulus 1<sup>us</sup>. longus, fusiformis ; 2<sup>us</sup>. longicyathiformis ; 3<sup>us</sup>. et sequentes minuti, subæquales, fere quadrati ; clava longissima, fusiformis, flagello paullo brevior : thorax ovatus, supra planus : mesothoracis scutum transversum ; paraptera non convenientia ; scutellum obconicum : abdomen ovatum, planum, subtus carinatum, juxta thoraci longum et latum : oviductus occultus.

Sp. 91. En. *Ilithyia*. *Fem.* *Atro-virens*, antennæ fuscæ, pedes nigro-fusci, tarsi fulvi, alæ limpidae.

*Atro-virens* : oculi et ocelli picei : antennæ fuscæ ; articuli 1<sup>us</sup>. et 2<sup>us</sup>. nigro-fusci : abdomen nitens, læve, fere glabrum : pedes nigro-fusci ; genua et tarsi fulva, hi apice fusci ; mesotarsi flavi, apice fusci : alæ limpidae ; squamulae et nervi fulva. (Corp. long. lin.  $\frac{1}{3}$  ; alar. lin.  $\frac{2}{3}$ .)

July ; near London.

*Fem.*—Corpus breve, parvum, pubescens, scite punctatum, parum nitens : caput transversum, breve, convexum, thorace paullo latius ; vertex latus ; frons convexa, antice abrupte declivis : oculi mediocres : antennæ subclavatæ, corporis dimidio longiores ; articulus 1<sup>us</sup>. fusiformis ; 2<sup>us</sup>. cyathiformis ; 3<sup>us</sup> et sequentes parvi, transversa, usque ad 8<sup>um</sup>. latescentes ; clava teliformis, articulo 8<sup>o</sup>. latior et plus triplo longior : thorax ovatus, convexus : mesothoracis scutum transversum ; paraptera non convenientia ; scutellum brevi-obconicum : abdomen ovatum, planum, thorace latius vix longius : oviductus occultus : pedes graciles : alæ amplæ.

Sp. 92. En. *Thebe*. *Fem.* *Ater*, abdomen nigro-cupreum, antennæ fuscæ, pedes flavi, femora fusca, alæ limpidae.

*Ater* : oculi et ocelli picei : antennæ pallide fuscæ : abdomen nigro-cupreum, nitens, læve, fere glabrum : pedes læte flavi ; femora

fusca, apice flava; pro et metatarsi fulvi: alæ limpidæ, latæ; squamulæ et nervi fulva. (Corp. long. lin.  $\frac{1}{4}$ ; alar. lin.  $\frac{1}{2}$ .)

*Var. β.*—Femora omnino flava.

Found near London.

*Fem.*—Corpus breve, latum, obscurum, punctatum, pubescens; caput transversum, juxta thoraci latum, vertex latus; frons abrupte declivis: oculi parvi: antennæ clavatæ?: thorax quadratus, parum convexus: mesothoracis scutum transversum; paraptera non convenientia; scutellum subrhombiforme: abdomen subrotundum, thorace brevius vix latius: oviductus occultus: pedes longi: alæ amplæ.

*Sp. 93. En. Dores. Fem. Niger, abdomen nigro-cupreum, antennæ nigro-fusca, pedes fusci fulvo-cincti, alæ limpidæ.*

*Niger:* oculi et ocelli picei: antennæ nigro-fusca: abdomen nigro-cupreum, nitens, læve, fere glabrum: pedes fusci; femora nigro-fusca, apice fulva; tibiæ apice et tarsi basi fulva; protibiæ omnino fulvæ: alæ limpidæ; squamulæ et nervi fusca. (Corp. long. lin.  $\frac{1}{4}$ ; alar. lin.  $\frac{1}{2}$ .)

September; Isle of Wight.

*Fem.*—Corpus breve, latum, pubescens, scite punctatum, parum nitens: caput transversum, breve; vertex sat latus; frons abrupte declivis: oculi mediocres: antennæ clavatæ, corporis dimidio longiores; articulus 1<sup>us</sup>. gracilis, fusiformis; 2<sup>us</sup>. longicyathiformis; 3<sup>us</sup>. et sequentes minuti, transversi, usque ad 8<sup>um</sup>. latescentes; clava longiovata, acuminata, articulo 8<sup>o</sup>. latior et triplo longior: thorax breviovatus, convexus: mesothoracis scutum transversum; paraptera non convenientia; scutellum obconicum: abdomen subrotundum, supra planum, subtus carinatum, thorace brevius vix latius: oviductus exertus: pedes longi: alæ amplæ, corpore longiores.

*Sp. 94. En. Cypris. Fem. Niger, antennæ fusca, pedes nigro-fusci, tarsi flavi, alæ limpidæ.*

*Niger:* oculi et ocelli picei: antennæ fusca: abdomen læve, nitens, fere glabrum: oviductus vaginæ fusca, brevissimæ: pedes nigro-fusci; genua flava; tarsi flavi, apice fusci; pro-et mesotibiæ fusca, basi et apice flavæ; protarsi fulvi: alæ limpidæ; squamulæ et nervi fulva. (Corp. long. lin.  $\frac{1}{4}$ ; alar. lin.  $\frac{1}{2}$ .)

Found near London.

*Mas et Fem.*—Corpus breve, latum, crassum, punctatum, pubescens, obscurum: caput transversum, thorace vix angustius; vertex latus; frons convexa: oculi magni, non extantes: *mari* antennæ moniliformes, corpore longiores; articulus 1<sup>us</sup>. fusiformis; 2<sup>us</sup>. ovatus; 3<sup>us</sup>. et sequentes ad 8<sup>um</sup>. longi, subcyathiformes; clava fusiformis, acuminata, articulo 8<sup>o</sup>. fere duplo longior: *fem.* antennæ clavatæ, graciles, corporis dimidio longiores; articulus 2<sup>us</sup>. cyathiformis; 3<sup>us</sup>. et sequentes parvi, transversi, usque ad 8<sup>um</sup>. latescentes et protendentes; clava longiovata, apice oblique truncata, articulo 8<sup>o</sup>. latior et plus duplo longior: thorax brevis, subquadratus, convexus; mesothoracis scutum transversum; paraptera non convenientia; scutellum subrhombiforme: *mari* abdomen obconicum, planum, thorace angustius et multo brevius: sexualia subexerta: *fem.* abdomen brevi-obconicum, quam latum vix longius, subtus carinatum: oviductus subexertus: alæ longæ.

Sp. 95. En. fuscicollis. *Mas et Fem. Ater, caput viride, abdomen nigro-æneum, antennæ mari fuscae fem. fulvæ, pedes flavo-fusci, alæ limpidæ.*

*Encyrtus fuscicollis.* Dalman, *Kongl. Vetens. Acad. Handl. för ür, 1820; Nees ab Ess. Hym. Ich. affin. Monogr. II. 236.*

*Encyrtus atricollis.* Ditto ditto II. 237.

*Ater:* caput viride: oculi et ocelli rufi: *mari* antennæ pallide fuscae; articuli 1<sup>us</sup>. et 2<sup>us</sup>. obscuriores: *fem.* antennæ fulvæ; articuli 1<sup>us</sup>. et 2<sup>us</sup>. fusci, apice fulvi: abdomen nigro-æneum: oviductus vaginæ nigræ, breves: *mari* pedes flavi; tarsi apice fulvi; propedes fulvi, coxæ et femora nigro-fusca hæ apice flava, tibiæ fuscae apice fulvæ; coxæ, meso- et metafemora necnon metatibiæ fusca, apice et basi flava; mesotibiæ basi nigro-fuscae: *fem.* propedes fulvi, coxæ fuscae, femora fusca apice et basi fulva, tibiæ basi fuscae; mesopedes flavi, femora nigro-fusca basi fulva apice flava, tibiæ basi nigro-fuscae, tarsi apice fulvi; metapedes nigri, trochanteres et genua fulva, tibiæ apice flavæ, tarsi flavi apice fulvi: alæ limpidæ; squamulæ et nervi fulva. (Corp. long. lin. 1 $\frac{1}{4}$ ; alar. lin.  $\frac{1}{2}$ .)

*Var. β.*—*Fem.* antennæ fuscae; articuli 1<sup>us</sup>. et 2<sup>us</sup>. nigro-fusci.

*Var. γ.*—*Fem.* profemora fusca apice fulva.

August; on grass in fields, near London. Found in the flowers of *Senecio Jacobea*, at Holywood, near Belfast, by Mr. Haliday.

Nees ab Essenbeck gives the following synonym and quotation :—

“ *Pteromalus cyaneo-cephalus*. *Bouché Naturgeschichte der MS. I. 167. 59.*

“ Larva flavescenti-alba, elliptica, rugosa, capite subrotundo. Habitat gregatim (centeni haud raro), in eadem larva *Ypomeutæ Evonymellæ*. Erucae, his parasitis infestatae, versus metamorphoseos tempus tument liventque, textoque sanarum ad instar, cocco tamen in pupam haud mutantur, sed prius obeunt. Ex quibus quatuor hebdomadam intervallo undique vespæ erumpunt.—*Bouché, l. c.*”

*Fem.*—Corpus breve, parvum, pubescens, scitissime punctatum, parum nitens: caput hemisphaericum, thorace vix angustius; vertex latus, convexus; frons convexa: oculi mediocres, non exstantes: antennæ subfiliformes, gracillimæ, corpore paullo breviores; articulus 1<sup>us</sup>. fusiformis; 2<sup>us</sup>. subrotundus; 3<sup>us</sup>. et sequentes longi, lineares, hirti, subæquales; clava longifusiformis, acuminata, articulo 8°. plus duplo longior vix latior: thorax ovatus, planus: mesothoracis scutum transversum; paraptera non convenientia; scutellum brevi-obconicum, basi angulatum: abdomen ovatum, planum, juxta thoraci longum, apice angustum et acuminatum: oviductus exertus; vaginæ pubescentes: pedes graciles; mesotarsi vix incrassati: alæ amplæ.

*Mas.*—Caput quàm *fem.* paullo latius et brevius: antennis articulo 3°. ad 8<sup>um</sup>. pilosi, discretiores; clava fusiformis, acuminata, articulo 8°. multo longior non latior: abdomen ovatum, thorace brevius et paullo angustius: sexualia subexerta.

Sp. 96. En. *Amathus*. *Mas et Fem. Niger, abdomen nigro-cupreum, antennæ mari fulvæ fem. fuscæ, pedes flavo-fusci, alæ limpidæ.*

*Fem.*—*Niger*: oculi et ocelli picei: antennæ fuscæ; articuli 1<sup>us</sup>. et 2<sup>us</sup>. nigro-fusci: abdomen nigro-cupreum, nitens, læve, fere glabrum: oviductus vaginæ fuscæ, breves: pedes flavi; femora nigro-fusca, apice flava; tibiæ basi fuscæ; tarsi apice fulvi; metatibiæ fuscæ; protarsi fulvi: alæ limpidæ, corpore longiores; squamulæ fuscæ; nervi fulvi, apice obscuriores.

*Mas.*—Antennæ fulvæ; articuli 1<sup>us</sup>. et 2<sup>us</sup>. nigro-fusci: sexualia fulva, pedes nigro-fusci; metafemora nigra; genua flava; pro- et mesotibiæ fuscæ, apice flavæ; pro- et metatarsi fulvi; mesotarsi flavi, apice fusci. (Corp. long. lin.  $\frac{1}{4}$ ; alar. lin.  $\frac{1}{2}$ .)

Found on *Salix Caprea*, at Holywood, near Belfast, by Mr. Haliday.

*Fem.*—Corpus parvum, angustum, pubescens, scite punctatum, parum nitens: caput subrotundum, juxta thoraci latum; vertex angustus; frons convexa, antice abrupte declivis: oculi magni: antennæ clavatæ, corporis dimidio vix longiores; articulus 1<sup>us</sup>. gracilis, fusiformis; 2<sup>us</sup>. cyathiformis; 3<sup>us</sup>. et sequentes minuti, transversi, usque ad 8<sup>um</sup>. latescentes; clava fusiformis, articulo 8<sup>o</sup>. multo latior et flagello vix brevior: thorax ovatus, parum convexus: mesothoracis scutum transversum; paraptera non convenientia; scutellum brevi-obconicum: abdomen ovatum, planum, nitens, læve, fere glabrum, subtus carinatum, apice acuminatum, thorace angustius vix brevius: oviductus occultus: alæ angustæ.

Sp. 97. En. Lambinus. *Fem.* *Ater*, abdomen nigro-æneum, antennæ fuscæ flavo-cinctæ apice nigræ, pedes nigri albocincti, alæ limpidæ.

*Ater*: caput nigro-viride: oculi et ocelli picci: antennæ fuscæ; articuli 1<sup>us</sup>. et 2<sup>us</sup>. apice flavi; flagellum apice et subtus flavum; clava nigra: abdomen nigro-æneum, basi cyaneum: pedes nigri; femora apice fusca; tibiæ basi et apice albidæ; tarsi albidii, apice fuscii; mesopedes albidii, femora nigro-cincta, genua nigro-maculata, tibiæ basi nigræ, tarsi apice fulvi: alæ limpidæ; squamulæ et nervi fulva. (Corp. long. lin.  $\frac{1}{4}$ — $\frac{1}{3}$ ; alar. lin.  $\frac{1}{2}$ — $\frac{2}{3}$ .)

May; near London, under a currant-leaf; probably a parasite of *Aphis Ribis*.

*Mas.*—Corpus angustum, sublineare, nitens, breviter et parce pubescens, scitissime punctatum: caput transversum, brevissimum, supra convexum, thorace angustius; vertex latus; frons abrupte declivis: oculi parvi: antennæ filiformes, graciles, hirtæ, corpore paullo breviores; articulus 1<sup>us</sup>. fusiformis; 2<sup>us</sup>. cyathiformis; 3<sup>us</sup>. et sequentes longi, æquales, sublineares; clava fusiformis, acuminata, articulo 8<sup>o</sup>. plus duplo longior: thorax ovatus, convexus: mesothoracis scutum transversum; paraptera non convenientia; scutellum obconicum: abdomen longiovatum, thorace multo longius vix angustius: mesotarsi vix dilatati: alæ angustæ.

Sp. 98. En. Caris. *Mas.* *Niger*, abdomen fuscum, antennæ nigræ, pedes fulvi, proalæ subfuscæ.

*Niger*: oculi et ocelli rufi: antennæ nigræ; articulus 1<sup>us</sup>. nitens: abdomen fuscum, apice nigrum: pedes fulvi; meso- et metatarsi flavii, apice fuscii: proalæ subfuscæ, ciliatæ; squamulæ et nervi pallide fusca. (Corp. long. lin.  $\frac{1}{2}$ ; alar. lin.  $\frac{3}{4}$ .)

Taken by the Rev. G. T. Rudd, in Durham.

*Fem.*—Corpus parvum, angustum, sublineare: caput transversum, breve, juxta thoraci latum; vertex parum convexus; frons plana: antennæ clavatæ, graciles, corporis dimidio longiores; articulus 1<sup>us</sup>. gracilis, fusiformis; 2<sup>us</sup>. cyathiformis; 3<sup>us</sup>. et sequentes minuti, transversi, cyathiformes, usque ad 8<sup>um</sup>. latescentes; clava teliformis articulo 8<sup>o</sup>. latior et plus duplo longior: thorax planus, ovatus: mesothoracis scutum subquadratum; paraptera non convenientia; scutellum breve, fere semicirculum fingens: abdomen ovatum, planum, thorace paullo latius vix brevius: oviductus occultus: pedes graciles: alæ angustæ.

Sp. 99. En. Nadius. Fem. *Fulvo-fuscus, antennæ fulvæ, pedes flavi, alæ limpidæ.*

Fuscus, subtus fulvus: caput fulvum: oculi et ocelli picei: antennæ pallide fulvæ: pedes flavi; tarsi apice fusci: alæ limpidæ; squamulæ et nervi flava. (Corp. long. lin.  $\frac{1}{6}$ ; alar. lin.  $\frac{1}{3}$ .)

Found near London.

*Mas.*—Corpus sublineare, planum, scitissime punctatum, parce et breviter pubescens, parum nitens: caput parvum, transversum, brevissimum, thorace angustius; vertex latus; frons abrupte declivis: oculi parvi, extantes: antennæ filiformes, graciles, pilosæ, corpore fere longiores; articulus 1<sup>us</sup>. fusiformis, gracilis; 2<sup>us</sup>. cyathiformis; 3<sup>us</sup>. et sequentes ad 8<sup>um</sup>. longi, lineares; clava fusiformis, articulo 8<sup>o</sup>. fere duplo longior: thorax breviovatus: mesothoracis scutum transversum; paraptera fere convenientia; scutellum semicirculum fingens, basi angulatum: abdomen breviovatum, depressum, juxta thoraci longum et latum: sexualia conspicua: pedes graciles, sat longi; mesotarsi vix incrassati: alæ longæ, angustæ, breviter ciliatæ.

Sp. 100. En. Piso. Mas. *Nigro-piceus, caput antice fulvum, antennæ nigro-fuscæ, pedes flavi aut fusco-fulvi, alæ fulvo-tinctæ.*

Nigro-piceus: oculi et ocelli obscure rufi: os fulvum: antennæ nigro-fuscæ: abdomen læve, fere glabrum, basi viridi-cupreum micans; sexualia flava: pedes flavi; genua et tarsi apice obscuriora: alæ fulvo-tinctæ; squamulæ et nervi fusca. (Corp. long. lin.  $\frac{1}{4}$ — $\frac{1}{3}$ ; alar. lin.  $\frac{1}{2}$ — $\frac{2}{3}$ .)

*Var. β.*—Capitis frons læte fulva: antennis articuli 1<sup>us</sup>. basi et apice 2<sup>us</sup>. que omnino flavi: pedes pallide flavi.

*Var. γ.*—Antennis articulus 1<sup>us</sup>. pallidior: pedes fulvi; femora fusca; propedes flavi, femora basi fusca, tarsi fulvi.

May, September; near London; North Wales. Found at Holywood, near Belfast, by Mr. Haliday.

*Mas.* — Corpus mediocre, sublineare, nitens, pubescens, scitissime punctatum: caput brevissimum, thorace vix latius; vertex latus, convexus; frons abrupte declivis: oculi mediocres: antennæ latæ, subserratæ, corpore paullo breviores; articulus 1<sup>us</sup>. fusiformis, gracilis; 2<sup>us</sup>. cyathiformis, brevis; 3<sup>us</sup>. et sequentes ad 8<sup>um</sup>. lati, transversi, subcyathiformes; clava fusiformis, articulo 8<sup>o</sup>. plus duplo longior et paullo angustior: thorax ovatus, planus: mesothoracis scutum transversum; paraptera non convenientia; scutellum obconicum: abdomen ovatum, planum, juxta thoraci longum et latum: pedes validi; mesotarsi vix dilatati: alæ latæ.

Sp. 101. En. Mysus. *Mas.* *Fulvus aut nigro-piceus, antennæ fulvæ, pedes fulvi aut fuscii, tarsi flavi, alæ limpidæ.*

Fulvus: capitis vertex thoracisque discus picei: antennæ fulvæ; articulus 1<sup>us</sup>. flavus; 2<sup>us</sup>. basi fuscus: oculi et ocelli picei: abdomen apice piceum: sexualia fusca: pedes pallide fulvi; tarsi flavi, apice fuscii: alæ limpidæ; squamulæ et nervi fulva. (Corp. long. lin.  $\frac{1}{3}$ — $\frac{2}{5}$ ; alar. lin.  $\frac{2}{3}$ — $\frac{5}{4}$ .)

*Var. β.*—Abdomen supra omnino piceum.

*Var. γ.*—Nigro-piceus: antennæ obscure fulvæ: pedes pallide fuscii; genua flava; tibiæ apice flavæ; tarsi flavi, apice obscuriores.

July, September; on pine trees, near London.

*Mas.* — Corpus parvum, crassum, pubescens, punctatum, parum nitens: caput breve, juxta thoraci latum; vertex latus, convexus; frons abrupte declivis: oculi mediocres: antennæ serratæ, hirtæ, corpore vix breviores; articulus 1<sup>us</sup>. validus, fusiformis; 2<sup>us</sup>. cyathiformis, brevis; 3<sup>us</sup>. et sequentes ad 8<sup>um</sup>. latiores, cyathiformes; clava fusiformis, acuminata, articulo 8<sup>o</sup>. fere duplo longior: thorax ovatus, altus, convexus: mesothoracis scutum transversum; paraptera non convenientia; scutellum obconicum: abdomen sublineare, compressum, thorace angustius et brevius: pedes validi.

Sp. 102. En. Camirus. *Mas.* *Viridis, abdomen nigro-cupreum, antennæ fulvæ, pedes nigro-fuscii flavo-cincti, alæ albæ.*

Viridis: oculi et ocelli obscure rufi: antennæ obscure fulvæ; articuli 1<sup>us</sup>. et 2<sup>us</sup>. fuscii: abdomen nigro-cupreum: pedes nigro-fuscii; genua flava; tarsi fuscii; mesopedum femora fusca, tibiæ fulvæ apice et basi flavæ, tarsi læte flavi apice fuscii; protibiæ

fuscæ: alæ albæ; squamulæ et nervi fulva, hi apice fusci. (Corp. long. lin.  $\frac{1}{3}$ ; alar. lin.  $\frac{1}{2}$ .)

*Var. β.*—Mesopedes flavi; femora basi fusca; tarsi apice fusci.

September; on grass in fields, near London.

*Fem.* — Corpus breve, latum, pubescens, scite punctatum, parum nitens: caput transversum, brevissimum, convexum, thorace fere angustius; vertex latus; frons subimpressa, abrupte declivis: oculi mediocres: antennæ clavatæ, corpore non breviores; articulus 1<sup>us</sup>. fusiformis, gracilis; 2<sup>us</sup>. longicyathiformis; 3<sup>us</sup>. et sequentes breviores, subquadrati, usque ad 8<sup>um</sup>. paullulum latescens; clava longiovata, apice obtusa, articulo 8<sup>o</sup>. multo latior et plus duplo longior: thorax breviovatus, supra fere planus: mesothoracis scutum transversum; paraptera non convenientia; scutellum breviobconicum: abdomen subtundum, planum, thorace brevius non latius, subtus carinatum, apice acuminatum: oviductus occultus.

Sp. 103. En. Aretas. *Fem. Ater, antennæ nigræ, pedes nigro-fusci, tarsi flavi, alæ limpidæ.*

*Ater:* oculi et ocelli obscure rufi: antennæ nigræ: abdomen nitens, læve, fere glabrum: pedes nigro-fusci; genua et tarsi flava, hi apice fusci; protarsi fulvi: alæ limpidæ; squamulæ et nervi pallide fusca. (Corp. long. lin.  $\frac{1}{2}$ — $\frac{3}{4}$ ; alar. lin. 1—1 $\frac{1}{2}$ .)

*Var. β.*—Antennæ nigro-fuscæ: tibiæ fuscæ; protibiæ flavæ, fusco-cinctæ.

*Var. γ.*—Thorax viridis.

September; Cumberland.

*Mas.* — Corpus angustum, punctatum, pubescens, parum nitens: caput breve, transversum, convexum; vertex latus; frons abrupte declivis: oculi mediocres: antennæ filiformes, pubescentes, juxta corpori longæ; articulus 1<sup>us</sup>. gracilis, fusiformis; 2<sup>us</sup>. cyathiformis, brevis; 3<sup>us</sup>. et sequentes ad 8<sup>um</sup>. longi, lineares, subæquales; clava fusiformis, acuminata, articulo 8<sup>o</sup>. fere duplo longior: thorax ovatus, convexus: mesothoracis scutum transversum; paraptera non convenientia; scutellum obconicum: abdomen longiovatum, planum, thorace longius vix angustius.

Sp. 104. En. Telesto. En. Aretas. *Mas.? Niger, antennæ nigræ, pedes nigro-fusci, tarsi fusci, alæ limpidæ.*



Niger: oculi et ocelli obscure rufi: antennæ nigræ: abdomen nitens, læve, fere glabrum: pedes nigro-fusci; genua flava; tarsi fusci; protibiæ fuscae; mesotarsi flavi, apice fusci: alæ limpidæ; squamulæ et nervi pallide fusca. (Corp. long. lin.  $\frac{2}{3}$ ; alar. lin.  $1\frac{1}{3}$ .)  
September; Cumberland.

*Fem.*—Corpus breve, latum, obscurum, punctatum, pubescens: caput transversum, brevissimum, convexum, vix thorace latius; vertex latus; frons abrupte declivis: oculi mediocres, non extantes: antennæ clavatae, corporis dimidio paullo longiores; articulus 1<sup>us</sup>. fusiformis, crassus; 2<sup>us</sup>. longicyathiformis; 3<sup>us</sup>. et sequentes transversi, brevissimi, usque ad 8<sup>um</sup>. latescentes; clava ovata, articulo 8<sup>o</sup>. plus duplo longior: thorax ovatus, convexus: mesothoracis scutum transversum; paraptera non convenientia; scutellum breviobconicum: abdomen breviovatum, planum, apice acuminatum, thorace brevius.

Sp. 105. En. Syllæus. Fem. *Piceus, antennæ fuscae, pedes flavi, alæ limpidæ.*

Piceus: caput antice ferrugineum: oculi et ocelli picei: antennæ pallide fuscae, subtus flavæ: pedes flavi; femora supra fusco-vittata; tibiæ fusco-cinctæ; tarsi apice fusci: alæ sublimpidæ; squamulæ et nervi fulva. (Corp. long. lin.  $\frac{1}{6}$ ; alar. lin.  $\frac{1}{3}$ .)

Found near London.

*Mas.*—Corpus breve, parvum, subnitens, scite punctatum, parce hirtum: caput juxta thoraci latum, transversum, convexum; vertex latus; frons abrupte declivis: oculi mediocres, non extantes: antennæ fusiformes, pilosæ, corpore paullo breviores; articulus 1<sup>us</sup>. fusiformis, crassus; 2<sup>us</sup>. cyathiformis; 3<sup>us</sup>. et sequentes ad 8<sup>um</sup>. breves, subquadrati; clava fusiformis, articulo 8<sup>o</sup>. multo longior: thorax ovatus, convexus: mesothoracis scutum longitudine vix latius; paraptera non convenientia; scutellum breviobconicum: abdomen ovatum, planum, nitens, læve, glabrum, thorace brevius.

Sp. 106. En. Meon. Mas. *Niger, antennæ fuscae, pedes picei, alæ limpidæ.*

Niger: oculi picei: antennæ pallide fuscae; articuli 1<sup>us</sup>. et 2<sup>us</sup>. obscuriores: pedes picei; mesotarsi fusci: alæ limpidæ; squamulæ fuscae; nervi flavi, apice fusci. (Corp. long. lin.  $\frac{1}{5}$ ; alar. lin.  $\frac{1}{3}$ .)

Found near London.

*Mas.*—Corpus breve, crassum, convexum, punctatum, paræ hirtum, parum nitens: caput transversum, brevissimum, thorace vix latius; vertex latus; frons abrupte declivis: oculi mediocres, non exstantes: antennæ filiformes, pilosæ, corpore fere longiores; articulus 1<sup>us</sup>. fusiformis; 2<sup>us</sup>. cyathiformis; 3<sup>us</sup>. et sequentes longi, lineares, usque ad 8<sup>um</sup>. paullulum curtantes; clava fusiformis, articulo 8°. fere duplo longior: thorax ovatus, altus: mesothoracis scutum transversum; paraptera non convenientia; scutellum subrhombiforme: abdomen breviconicum, planum, nitens, læve, fere glabrum, thorace brevius et paullo angustius.

Sp. 107. En. Thyra. *Mas. Viridis, antennæ fulvæ, pedes fuscæ, mesotarsi flavæ, alæ limpidæ.*

Obscure viridis: oculi et ocelli picei: antennæ fulvæ; articuli 1<sup>us</sup>. et 2<sup>us</sup>. fuscæ: metathorax æneus: abdomen nigro-viride: pedes fuscæ; genua fulva; tarsi basi et subtus fulvi; mesopedum genua flava, tarsi flavæ apice fuscæ: alæ limpidæ; squamulæ et nervi fusca. (Corp. long. lin.  $\frac{2}{3}$ ; alar. lin.  $1\frac{1}{4}$ .)

*Var. β.*—Abdomen æneum.

July; Forest of Fontainbleau.

*Mas.*—Corpus parvum, angustum, convexum, scite punctatum, pubescens, nitens: caput transversum, breve, thorace vix latius; vertex latus; frons abrupte declivis: oculi mediocres, non exstantes: antennæ graciles, pilosæ, extrorsum crassiores, corpore fere longiores; articulus 1<sup>us</sup>. fusiformis, gracilis; 2<sup>us</sup>. cyathiformis; 3<sup>us</sup>. et sequentes ad 8<sup>um</sup>. longi, lineares, subæquales; clava fusiformis, articulo 8°. paullo latior et multo longior: thorax ovatus: mesothoracis scutum longitudine vix latius; paraptera non convenientia; scutellum obconicum: abdomen breviovatum, planum, læve, fere glabrum, apice hirtum, thorace multo brevius non latius.

Sp. 108. En. Celadus. *Mas. Viridis, abdomen nigro-cupreum, antennæ fusæ, pedes nigri flavo-cincti, alæ limpidæ.*

Viridis, cæruleo minime infectus: caput læte viride: oculi et ocelli picei: antennæ fusæ; articulus 1<sup>us</sup>. basi et subtus flavus: abdomen nigro-cupreum: pedes nigri; genua fulva; tarsi pallide fuscæ, basi et subtus flavæ; mesopedes flavæ, femora et tibiæ late nigro-cincta: alæ limpidæ; squamulæ et nervi fusca. (Corp. long. lin.  $\frac{1}{2}$ ; alar. lin.  $\frac{3}{4}$ .)

July; Forest of Fontainbleau.

*Fem.*—Corpus breve, latum, convexum, punctatum, pubescens, parum nitens: caput transversum, subquadratum, sat magnum; vertex angustus; frons abrupte declivis: oculi magni, non extantes: antennæ clavatæ, crassæ, corporis dimidio paullo longiores; articulus 1<sup>us</sup>. fusiformis, crassus; 2<sup>us</sup>. longicyathiformis, crassus; 3<sup>us</sup>. et sequentes transversi, brevissimi, usque ad 8<sup>um</sup>. latescentes; clava oblique truncata, articulo 8°. fere duplo longior paullo latior: thorax ovatus: mesothoracis scutum transversum; paraptera non convenientia; scutellum breviobconicum: abdomen breviovatum, planum, squameum, nitens, fere glabrum, thorace brevius.

Sp. 109. En. Obodas. *Fem.* *Viridis, thorax antice flavus, antennæ nigræ, pedes flavo-fusci, alæ vix ullæ.*

Obscure viridis: oculi et ocelli picei: antennæ nigræ; articulus 1<sup>us</sup>. nigro-viridis: prothorax supra et mesothoracis scutum antice pallide flava: abdomen apice cupreo-æneum: pedes pallide fusci; propedum trochanteres et tarsi subtus flavi; mesopedum tibiæ flavæ basi fusæ, tarsi pallide flavi apice fusci; metapedes nigro-fusci, genua fulva, tarsi pallide flavi apice fusci: alæ mutilatæ, brevissimæ, limpidæ. (Corp. long. lin.  $\frac{2}{3}$ .)

July; Forest of Fontainbleau.

*Fem.*—Corpus mediocre, sublineare, subconvexum, punctatum, pubescens, parum nitens: caput transversum, subquadratum, juxta thoraci latum; vertex angustius; frons antice convexa: oculi magni, non extantes: antennæ clavatæ, corporis dimidio longiores; articulus 1<sup>us</sup>. fusiformis, gracilis; 2<sup>us</sup>. longicyathiformis; 3<sup>us</sup>. et sequentes transversi, subquadrati, usque ad 8<sup>um</sup>. latescentes; clava longiovata, articulo 8°. duplo longior paullo latior: thorax ovatus: mesothoracis scutum transversum; paraptera non convenientia; scutellum breviobconicum: abdomen ovatum, planum, læve, fere glabrum, thorace brevius.

Sp. 110. En. Baleus. *Fem.* *Æneo-viridis, antennæ nigræ, pedes fulvo-fusci, alæ vix ullæ.*

Obscure æneo-viridis: caput viridi-æneum, punctis majoribus aspersum: oculi et ocelli obscure rufi: antennæ nigræ; articulus 1<sup>us</sup>. nigro-viridis: pedes fusci; genua fulva; tarsi fulvi, apice fusci; mesopedes pallidiores: alæ mutilatæ, brevissimæ, limpidæ. (Corp. long. lin.  $\frac{3}{4}$ .)

July; Forest of Fontainbleau.

*Mas.* — Corpus parvum, sublineare, convexum, nitens, scite punctatum, parce pubescens: caput transversum, brevissimum, thorace fere angustius; vertex latus; frons abrupte declivis: oculi mediocres, non extantes: antennæ filiformes, graciles, pilosæ, corpore vix breviores; articulus 1<sup>us</sup>. fusiformis, gracilis; 2<sup>us</sup>. cyathiformis; 3<sup>us</sup>. et sequentes ad 8<sup>um</sup>. longi, lineares, discreti, subæquales; clava fusiformis, articulo 8<sup>o</sup>. multo longior: thorax ovatus: mesothoracis scutum transversum; paraptera fere convenientia; scutellum subrotundum: abdomen subquadratum, planum, læve, fere glabrum, thorace paullo brevius vix angustius.

Sp. 111. En. Arene. *Mas. Ater, antennæ fusæ, pedes fulvo-fusci, alæ sublimpidæ.*

*Ater*: oculi et ocelli picei: antennæ fusæ: pedes fusci; genua fulva; tibiæ apice et subtus fulvæ; tarsi pallide fulvi, apice fusci; mesopedes pallidiores; squamulæ fusæ; nervi fulvi. (Corp. long. lin.  $\frac{1}{2}$ ; alar. lin. 1.)

July; south of France.

*Mas.* — Corpus longum, angustum, convexum, nitens, scite punctatum, parce pubescens: caput transversum, breve, juxta thoraci latum; vertex latus; frons abrupte declivis: oculi mediocres, non extantes: antennæ filiformes, graciles, pubescentes, corpore non breviores; articulus 1<sup>us</sup>. fusiformis, gracilis; 2<sup>us</sup>. cyathiformis; 3<sup>us</sup>. et sequentes ad 8<sup>um</sup>. longi, lineares, subæquales; clava fusiformis, articulo 8<sup>o</sup>. longior: thorax ovatus: mesothoracis scutum transversum; paraptera non convenientia; scutellum breviobconicum: abdomen longiobconicum, subcompressum, thorace angustius vix brevius: pedes graciles: alæ longæ.

Sp. 112. En. Fadus. *Mas. Viridis, antennæ fusæ, pedes fusci, tarsi flavi, alæ sublimpidæ.*

*Læte viridis*: oculi et ocelli rufi: antennæ fusæ; articulus 1<sup>us</sup>. viridis: metathorax æneus: pedes fusci; genua pallide flava; tarsi pallide flavi, apice fusci; protarsi pallide fusci: alæ sublimpidæ; squamulæ fusæ; nervi fulvi, apice obscuriores. (Corp. long. lin.  $\frac{5}{4}$ ; alar. lin.  $1\frac{1}{2}$ .)

July; south of France.

*Fem.* — Corpus longum, angustum, gracile, vix convexum, nitens, scite punctatum, parce pubescens: caput transversum, breve, juxta thoraci latum; vertex convexus, latus; frons abrupte

declivis: oculi mediocres, non extantes: antennæ gracillimæ, extrorsum crassiores, corpore vix breviores; articulus 1<sup>us</sup>. fusiformis, gracilis; 2<sup>us</sup>. longicyathiformis; 3<sup>us</sup>. et sequentes longi, sublineares, usque ad 8<sup>um</sup>. paullulum curtantes et latescentes; clava linearis, apice conica, articulo 8°. plus triplo longior paullo latior: thorax longiovatus: mesothoracis scutum longitudine vix latius; paraptera non convenientia; scutellum breviobconicum: abdomen compressum, planum, thorace angustius non brevis: oviductus exertus, abdominis dimidio longior: pedes longi, graciles.

Sp. 113. En. Sagillus. Fem. *Æneo-viridis*, abdomen cupreum, antennæ fuscæ, pedes læte flavi, femora fusca, alæ limpidæ.

*Æneo-viridis*: caput antice et subtus viride: os fulvum: oculi et ocelli obscure rufi: antennæ fuscæ; articulus 1<sup>us</sup>. viridis: mesothoracis scutellum æneum: abdomen cupreum: oviductus flavus; vaginæ fuscæ: pedes læte flavi; coxæ virides; trochanteres fulvi; femora nigro-fusca; tarsi apice pallide fusci; protibiæ et protarsi obscure fulva, hi apice fusci; metatibiæ apice fuscæ: alæ limpidæ, mutilatæ? (Corp. long. lin. 1.)

July; south of France.

*Mas*.—Corpus breve, crassum, coarctatum, convexum, nitens, parce punctatum, brevissime pubescens: caput magnum, transversum, subquadratum, postice concavum, thorace latius; vertex latus; frons convexa, abrupte declivis: oculi sat magni, subrotundi, non extantes: ocelli nulli: antennæ subclavatæ, pubescentes, corpore non breviores; articulus 1<sup>us</sup>. fusiformis, validus; 2<sup>us</sup>. cyathiformis, mediocris; 3<sup>us</sup>. et sequentes longi, lineares, usque ad 8<sup>um</sup>. paullulum curtantes et latescentes; clava fusiformis, articulo 8°. multo longior et paullo latior: thorax breviconicus, latitudine vix longius: prothorax brevis, latus, sat bene determinatus: mesothoracis scutum brevissimum, prothorace minus; parapsidum suturæ bene determinatæ, postice approximata; paraptera et epimera magna; scutellum maximum, subrotundum, longitudine paullo latius: metathorax brevissimus: abdomen latitudine vix longius, quadratum, læve, fere glabrum, thorace brevius vix latius, apice abrupte acuminatum; segmentum 1<sup>um</sup>. maximum; 2<sup>um</sup>. et sequentia minima, supra vix conspicua: pedes validi; mesopedum tibiæ apice dilatata et calcaratæ, tarsi incrassati; metapedum femora et tibiæ subarcuata: alæ sæpissime nullæ.

*Fem*.—Antennæ clavatæ, corporis dimidio vix longiores; articulus 2<sup>us</sup>. longicyathiformis; 3<sup>us</sup>. et sequentes minuti, transversi, usque

ad 8<sup>um</sup>. latescentes et paullulum protrahentes; clava ovata, articulo 8°. latior et plus duplo longior: abdomen thorace latius non longius; segmenta 2<sup>um</sup>. et sequentiâ breviora: segmenta ventralia conspicua, ad apicem detectiora: oviductus vix exertus.

Sp. 114. En. ineptus. Mas et Fem. *Nigro-æneus*, antennæ fuscae aut fulvæ, pedes nigro-ænei, tarsi fulvi.

Encyrtus ineptus. *Dalman, Kongl. Vetens. Acad. Handl. för är, 1820; II. 367. 54; Pterom. Suec. 76. 54; Nees ab Ess. Hym. Ich. affin. Monogr. II. 255.*

Choreia nigro-ænea. *Westwood, Loudon's Mag. Nat. Hist. VI. 122.*

Crantor . . . . *Haliday, Ent. Mag. I. 268.*

Sphenolepis inepta. *Nees ab Ess. Hym. Ich. affin. Monogr. II. 258.*

Choreius ineptus . *Westwood, Lond. and Edinb. Phil. Mag. Third Series. X. 63. 442.*

*Mas.*—Nigro-æneus: oculi et ocelli picei: antennæ fuscae: pedes nigro-ænei; genua et tibiæ apice fulva; tarsi fulvi, apice fusci; mesopedum femora apice et basi fulva, tibiæ fulvæ basi fuscae.

*Fem.*—Antennæ fulvæ; articuli 1<sup>us</sup>. et 2<sup>us</sup>. fusci; clava picea: mesopedum femora nigro-ænea, tibiæ piceæ apice fulvæ: oviductus fulvus. (Corp. long. lin.  $\frac{1}{2}$ — $\frac{5}{4}$ .)

*Var. β.*—*Mas.* Antennæ fulvæ; articuli 1<sup>us</sup>. et 2<sup>us</sup>. fusci: meso-tibiæ fuscae, apice fulvæ.

Found in Durham by the Rev. T. G. Rudd, and at Port Marnock, Ireland, by Mr. Haliday. September; Westmoreland.

ART. XLV.—*Recollections of Five Days in Teneriffè.* By WILLIAM CHRISTY, JUN.

A PARTY having been formed among some of the visitors at Madeira, for the purpose of making a short trip to Teneriffè, a vessel was accordingly chartered. She sailed from Funchal on the evening of Sunday, the 31st December, 1837. The following account of the excursion is taken from the rough